

Title (en)

Liquid distribution layer for absorbent articles

Title (de)

Schicht zur Verteilung von Flüssigkeit in absorbierenden Artikeln

Title (fr)

Couche pour la distribution des liquides dans les articles absorbants

Publication

**EP 0674891 B1 20021009 (EN)**

Application

**EP 95104572 A 19950328**

Priority

US 22089294 A 19940331

Abstract (en)

[origin: US5876388A] The present invention provides a liquid distribution layer for absorbent articles which exhibits directional liquid distribution properties and has desirable physical integrity. The liquid distribution layer is a nonwoven web of substantially continuous microfibers that has its fibers substantially aligned along one planar dimension of the web, wherein the fibers are hydrophilically modified or hydrophilic. Additionally, the liquid distribution layer may have an increasing fiber alignment gradient as well as a decreasing fiber thickness gradient in the direction of the web thickness. Further provided are suitable processes for producing the liquid distribution layer.

IPC 1-7

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IPC 8 full level

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**US 5876388 A 19990302**; AU 1619295 A 19951012; AU 695130 B2 19980806; BR 9501235 A 19951107; CA 2129210 A1 19951001; DE 69528484 D1 20021114; DE 69528484 T2 20030213; EP 0674891 A2 19951004; EP 0674891 A3 19980121; EP 0674891 B1 20021009; JP H07275293 A 19951024; KR 100361784 B1 20030129; KR 950031119 A 19951218; TW 305892 B 19970521; US 5700254 A 19971223; ZA 951878 B 19951211

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